

Jc923 U.S. PTO
10/02/00

Jc930 U.S. PTO
09/676453
10/02/00

C.A. Rowley
Registered Patent and Trade Mark Agent
Box 59 51 Riverside Parkway
Frankford, Ontario, Canada K0K 2C0
Telephone (613) 398 1409 Fax (613) 398 1446

28 September 2000.

Commissioner of Patents and Trademarks
Washington D.C. 20231.

Dear Sir:

RE: New Patent Application **My file no. UWO3**
Title: Continuous Ion Exchange using a Liquid-Solid Circulating
Fluidized Bed
Inventor(s): BASSI et al.

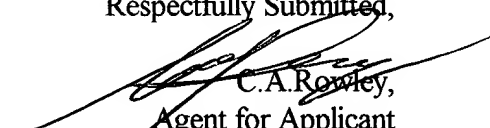
Please file the enclosed patent application and register the enclosed assignment: enclosed are

1. The patent application with abstract, drawings and Declaration and Power of Attorney (signed in 2 parts with only the signature portion of one provided as the remainder is identical to what appears before in the attached form but with the signatures blank.).
2. An Assignment transferring rights to the invention to The University of Western Ontario(signed in 2 parts)..
3. A claim for Small Inventor Status executed by the inventors (signed in 2 parts).
4. A claim for Small Entity Status executed by an Officer of the assignor(signed in 2 parts).

Please charge the Filing (Fee code 201 - \$345.00) and Assignment Fees (Fee Code 581 - \$40.00)(including any additional fees that may apply) to my account no. **18 2150**.

Please return the enclosed post card to provide the Serial No. and filing date for the above.

Respectfully Submitted,


C.A. Rowley,
Agent for Applicant
Registration No. 20,781

Applicant or Patentee: Amarjeet Singh Bassi, Jingxu Zhu, Qing Dao Lan, Argyrios Margaritis, and Ying Zheng

Serial or Patent No.:

Filed or Issued:

For: Continuous Ion Exchange using a Liquid-Solid Circulating Fluidized Bed
VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9 (f) and 1.27 (D)) - NONPROFIT ORGANIZATION

I hereby declare that I am an official empowered to act on behalf of the nonprofit organization identified below

NAME OF ORGANIZATION The University of Western Ontario
ADDRESS OF ORGANIZATION Room 319, Stevenson-Lawson Building
London, Ontario, Canada N6A 5B8

TYPE OF ORGANIZATION ☒ University or other institute of higher education

I hereby declare that the nonprofit organization identified above qualifies as a nonprofit organization as defined in 37 CFR 1.9 (e) for purposes of paying reduced fees under section 41 (a) and (b) of Title 35, United States Code with regard to the invention entitled Continuous Ion Exchange using a Liquid-Solid Circulating Fluidized Bed inventors Amarjeet Singh Bassi, Jingxu Zhu, Qing Dao Lan, Argyrios Margaritis, and Ying Zheng described in

☒ the specification filed herewith
☐ application serial no. , filed

I hereby declare that the rights under contract or law have been conveyed to and remain with the nonprofit organization with regard to the above identified invention.

I acknowledge the duty to file, in this application or patent, notification of any Change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28 (b)).

I hereby declare that all the statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements are made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both under section 1001 of Title 18 of the United States Code, and that such wilful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which the verified statement is directed.

NAME OF PERSON SIGNING Susan Hoddinott

Title of Person signing Director, Office of Research Services

Address of Person Signing SLB-328, London, Ontario, Canada N6A 5B8

Signature Susan Hoddinott Date Sept 26 2000.

Applicant or Patentee: **Harjeet Singh Bassi, Jingxu Zhu, Qing Dao Lan, Argyrios Margaritis, Ying Zheng**
Serial or Patent No.:
Filed or Issued:

For: **Continuous Ion Exchange using a Liquid-Solid Circulating Fluidized Bed**
VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9 (f) and 1.27 (b)) - INDEPENDENT INVENTOR

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9 (c) for purposes of paying reduced fees under section 41 (a) and (b) of Title 35, United States Code to the Patent and Trademark Office with regard to the invention entitled:

Continuous Ion Exchange using a Liquid-Solid Circulating Fluidized Bed

described in

- ☒ the specification filed herewith
☐ Application Serial No.
☐ Patent no. issued

I have not assigned, granted, conveyed or licensed and am under no obligation, under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9 (c) if that person made an invention or to any concern which would not qualify as a small business concern under 37 CFR 1.9 (d) or a nonprofit organization under 37 CFR 1.9 (e).

Each person, concern or organization to which I have assigned, granted, conveyed or licensed or am under an obligation under contract or law to assign, grant, convey or license any right in the invention is listed below:

- ☐ no such person, concern or organization.
☒ persons, concerns or organizations listed below

FULL NAME **The University of Western Ontario**
ADDRESS **Room 319, Stevenson-Lawson Building**
London, Ontario, Canada N6A 5B8

I acknowledge the duty to file, in this application or patent, notification of any Change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28 (b)). I hereby declare that all the statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further

that these statements are made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both under section 1001 of Title 18 of the

| Year | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 | 2026 | 2027 | 2028 | 2029 | 2030 | 2031 | 2032 | 2033 | 2034 | 2035 | 2036 | 2037 | 2038 | 2039 | 2040 | 2041 | 2042 | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 | 2051 | 2052 | 2053 | 2054 | 2055 | 2056 | 2057 | 2058 | 2059 | 2060 | 2061 | 2062 | 2063 | 2064 | 2065 | 2066 | 2067 | 2068 | 2069 | 2070 | 2071 | 2072 | 2073 | 2074 | 2075 | 2076 | 2077 | 2078 | 2079 | 2080 | 2081 | 2082 | 2083 | 2084 | 2085 | 2086 | 2087 | 2088 | 2089 | 2090 | 2091 | 2092 | 2093 | 2094 | 2095 | 2096 | 2097 | 2098 | 2099 | 2100 | |

Jinxu Zhu
NAME OF INVENTOR

Date _____

Signature of Inventor

Date _____

Argyrios Margaritis
NAME OF INVENTOR

Signature of Inventor

Date _____

Signature of Inventor

Date _____

[Signature]
Signature of Inventor

27/09/00
Date

***NOTE: Separate verified statements are required for each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)**

Applicant or Patentee: Ajeet Singh Bassi, Jingxu Zhu, Dao Lan, Argvrios
Margaritis, Ying Zheng
Serial or Patent No.:
Filed or Issued:

For: **Continuous Ion Exchange using a Liquid-Solid Circulating Fluidized Bed**
VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9 (f) and 1.27 (b)) - INDEPENDENT INVENTOR

As a below named inventor, I hereby declare that I qualify as an independent inventor as defined in 37 CFR 1.9 (c) for purposes of paying reduced fees under section 41 (a) and (b) of Title 35, United States Code to the Patent and Trademark Office with regard to the invention entitled:

Continuous Ion Exchange using a Liquid-Solid Circulating Fluidized Bed

described in

- ☒ the specification filed herewith
☐ Application Serial No.
☐ Patent no. issued

I have not assigned, granted, conveyed or licensed and am under not obligation, under contract or law to assign, grant, convey or license, any rights in the invention to any person who could not be classified as an independent inventor under 37 CFR 1.9 (c) if that person made an invention or to any concern which would not qualify as a small business concern under 37 CFR 1.9 (d) or a nonprofit organization under 37 CFR 1.9 (e).

Each person, concern or organization to which I have assigned, granted, conveyed or licensed or am under an obligation under contract or law to assign, grant, convey or license any right in the invention is listed below:

- ☐ no such person, concern or organization.
☒ persons, concerns or organizations listed below

FULL NAME **The University of Western Ontario**
ADDRESS **Room 319, Stevenson-Lawson Building**
 London, Ontario, Canada N6A 5B8

I acknowledge the duty to file, in this application or patent, notification of any Change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28 (b)). I hereby declare that all the statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further

that these statements are made with the knowledge that wilful false statements and the like so made are punishable by fine or imprisonment, or both under section 1001 of Title 18 of the United States Code, and that such wilful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which the verified statement is directed.

Amarjeet Singh Bassi
NAME OF INVENTOR

A Bassi
Signature of Inventor

Sept 26, 00
Date

Jinxu Zhu
NAME OF INVENTOR

[Signature]
Signature of Inventor

Sept. 26, 2000
Date

Qing Dao Lan
NAME OF INVENTOR

[Signature]
Signature of Inventor

Sept 26, 2000
Date

Argyrios Margaritis
NAME OF INVENTOR

[Signature]
Signature of Inventor

Sept. 26/2000
Date

Ying Zheng
NAME OF INVENTOR

Signature of Inventor

Date

***NOTE: Separate verified statements are required for each named person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)**

093432560